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12-27-05

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

TRANSMITTAL LETTER TO THE UNITED STATES **DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371** ATTORNEY'S DOCKET NUMBER Unas編輯

INTERNATIONAL APPLICATION NO.

INTERNATIONAL FILING DATE

PRIORITY DATE CLAIMED

	052004/021029 June 30, 2004 June 30, 2003				
TITLE OF INVENTION METHOD AND APPARATUS FOR COMMUNICATING SYMBOLS IN A MULTIPLE INPUT MULTIPLE OUTPU COMMUNICATION SYSTEM USING INTERLEAVED SUBCARRIERS ACROSS A PLURALITY OF ANTENNAS					
APPLICAL A 1 1 A	rt Van Zelst Jan Boer; Bas Driesen; Tim Schenk; and				
Applicant	therewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:				
1. X	This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.				
2. 🗆 -	This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.				
	This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.				
4. 🔲 ·	The US has been elected (Article 31).				
5. X	A copy of the International Application as filed (35 U.S.C. 371(c)(2))				
	a. is attached hereto (required only if not communicated by the International Bureau).				
	b. has been communicated by the International Bureau.				
	c. X is not required, as the application was filed in the United States Receiving Office (RO/US).				
6.	An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).				
	a. is attached hereto.				
	b. has been previously submitted under 35 U.S.C. 154(d)(4).				
7.	Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))				
	a. are attached hereto (required only if not communicated by the International Bureau).				
	b. have been communicated by the International Bureau.				
	c. have not been made; however, the time limit for making such amendments has NOT expired.				
	d. have not been made and will not be made.				
8.	An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).				
9.	An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).				
10.	An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).				
Items	11 to 20 below concern document(s) or information included:				
11. X	An Information Disclosure Statement under 37 CFR 1.97 and 1.98.				
12.	An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.				
13. 🔲	A preliminary amendment.				
14. 🔲	An Application Data Sheet under 37 CFR 1.76.				
15.	A substitute specification.				
16.	A power of attorney and/or change of address letter.				
17	A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.				
18.	A second copy of the published International Application under 35 U.S.C. 154(d)(4).				
19. 🔲	A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).				

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U.S. PRECA	A TON NO? (If known, see 6) CFR 1.5)) INTERNATIONAL A	INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NUMBER	
Unassigned			PCT/US2004	PCT/US2004/021029		Boer 7-3-2-3	
20. Other items or information: International Search Report							
The foll	owing fees have	been submitted			CALCULATIONS	PTO USE ONLY	
21. 🔀 Basi	21. X Basic national fee (37 CFR 1.492(a))				\$ 300	•	
22. 🔀 Exam	nination fee (37 C	FR 1.492(c))			- 300		
by IPEA/	ion prepared by I US indicates all c ns	\$200					
If the written opin IPEA/US Search fee (37 C International Sea	onal Searching Au rch Report prepar communicated to	\$400					
	TOTAL OF 21, 22	2 and 23 =			\$900		
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. Total Sheets Extra Sheets Number of each additional 50 or fraction RATE							
26.400	0/	thereof (round	up to a whole number)		-	.	
26-100 = 050 = 0 x \$250 Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).					\$ 0 \$ 1 3 0	· · · · · · · · · · · · · · · · · · ·	
CLAIMS NUMBER FILED		ER FILED	NUMBER EXTRA	RATE	\$	······································	
Total claims		34 -20=	14	x \$50	\$750		
Independent claim	ıs	7 -3=	4	x \$200	\$800		
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$360	\$		
TOTAL OF ABOVE CALCULATIONS =					\$		
Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.						•	
SUBTOTAL =					\$ 1,680	.]	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).					\$		
TOTAL NATIONAL FEE =					\$ 2,580		
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property							
TOTAL FEES ENCLOSED = \$ 2,580							
					Amount to be refunded:	\$.	
,		Amount to be charged	\$				

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b. ☑ Please charge my Deposit Account No. 50 – 0762 in the amount of \$2,580 to cover the above fees. A duplicate copy of this sheet is enclosed. c. ☑ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50 – 0762 A duplicate copy of this sheet is enclosed. d. ☐ Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. SEND ALL CORRESPONDENCE TO: Ryan , Mason & Lewis , LLP 1300 Post Road → Suite 205 Fairfield , CT 06824 SIGNATURE Kevibh M. Mason NAME 36,597 REGISTRATION NUMBER	a. A check in the amount of \$	_to cover the above fees is enclosed. PCT/PTO 22 DEC 2005						
Account No. 50 – 0762 A duplicate copy of this sheet is enclosed. d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. SEND ALL CORRESPONDENCE TO: Ryan, Mason & Lewis, LLP 1300 Post Road - Suite 205 Fairfield, CT 06824 SIGNATURE Kevin M. Mason NAME 36,597	b. X Please charge my Deposit Account No. 50 - 0762	X Please charge my Deposit Account No. 50-0762 in the amount of \$2,580 to cover the above fees.						
be included on this form. Provide credit card information and authorization on PTO-2038. NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. SEND ALL CORRESPONDENCE TO: Ryan, Mason & Lewis, LLP 1300 Post Road ~ Suite 205 Fairfield, CT 06824 Ryan	c. The Commissioner is hereby authorized to charge any Account No. $\underline{50-0762}$ A duplicate copy of this sh	Account No. 50 - 0762 A duplicate copy of this sheet is enclosed. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not						
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Ryan, Mason & Lewis, LLP 1300 Post Road - Suite 205 Fairfield, CT 06824 SIGNATURE Kevin M. Mason NAME 36,597								
	Ryan, Mason & Lewis, LLP 1300 Post Road - Suite 205	NAME 36,597						

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I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated below and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Date of Deposit: December 22, 2005

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